

Title (en)
ETHYLENE/ALPHA-OLEFIN INTERPOLYMER COMPOSITIONS WITH IMPROVED CONTINUOUS HIGH TEMPERATURE RESISTANCE

Title (de)
ETHYLEN-/ALPHA-OLEFIN-INTERPOLYMERZUSAMMENSETZUNGEN MIT VERBESSERTEM KONTINUIERLICHEN
HOCHTEMPERATURWIDERSTAND

Title (fr)
COMPOSITIONS D'INTERPOLYMÈRE D'ÉTHYLÈNE/ALPHA-OLÉFINE PRÉSENTANT UNE RÉSISTANCE À HAUTE TEMPÉRATURE
CONTINUE AMÉLIORÉE

Publication
EP 3752559 A4 20210915 (EN)

Application
EP 18906133 A 20180214

Priority
CN 2018076786 W 20180214

Abstract (en)
[origin: WO2019157688A1] A composition comprising the following components: A) an ethylene/alpha-olefin/diene interpolpolymer with MV (1+4, 125°C) ≥ 50; B) an ethylene/alpha-olefin copolymer with MV (1+4, 125°C) < 70; C) MgO; D) at least one carbon black filler; E) at least one hindered amine antioxidant; F) at least one peroxide.

IPC 8 full level
C08L 23/08 (2006.01); **C08K 3/04** (2006.01); **C08K 3/22** (2006.01); **C08K 5/14** (2006.01); **C08K 5/16** (2006.01); **C08L 23/16** (2006.01)

CPC (source: EP KR US)
C08K 3/04 (2013.01 - KR); **C08K 3/22** (2013.01 - KR); **C08K 5/14** (2013.01 - KR); **C08K 5/17** (2013.01 - KR);
C08L 23/0815 (2013.01 - EP KR US); **C08L 23/16** (2013.01 - EP KR US); **C08K 3/04** (2013.01 - US); **C08K 5/14** (2013.01 - US);
C08K 5/18 (2013.01 - US); **C08K 2003/222** (2013.01 - EP KR US); **C08L 2205/03** (2013.01 - EP)

C-Set (source: EP)
1. **C08L 23/16 + C08L 23/0815 + C08L 91/00 + C08K 3/04 + C08K 3/36 + C08K 3/22 + C08K 5/14**
2. **C08L 23/0815 + C08L 23/16 + C08L 91/00 + C08K 3/04 + C08K 3/36 + C08K 5/14**

Citation (search report)
• [I] WO 2013055642 A1 20130418 - DOW GLOBAL TECHNOLOGIES LLC [US]
• [A] US 6506827 B2 20030114 - NAKANO SADAYUKI [JP]
• [A] GUGUMUS ET AL: "Advances in the stabilization of polyolefins", POLYMER DEGRADATION AND STABILITY, BARKING, GB, vol. 24, no. 4, 1 January 1989 (1989-01-01), pages 289 - 301, XP024144804, ISSN: 0141-3910, [retrieved on 19890101], DOI: 10.1016/0141-3910(89)90039-6
• See also references of WO 2019157688A1

Designated contracting state (EPC)
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WO 2019157688 A1 20190822; BR 112020016317 A2 20201215; BR 112020016317 B1 20230411; CN 111868164 A 20201030;
CN 111868164 B 20240220; EP 3752559 A1 20201223; EP 3752559 A4 20210915; EP 3752559 B1 20230830; JP 2021518861 A 20210805;
JP 7168672 B2 20221109; KR 102520418 B1 20230411; KR 20200120670 A 20201021; US 11623982 B2 20230411;
US 2021079201 A1 20210318

DOCDB simple family (application)
CN 2018076786 W 20180214; BR 112020016317 A 20180214; CN 201880091340 A 20180214; EP 18906133 A 20180214;
JP 2020543087 A 20180214; KR 20207025759 A 20180214; US 201816970282 A 20180214